

CLAIMS

1. Process to reduce the susceptibility to scabbing of an aluminium alloy melt with a content of at least 2.5 w.% magnesium,
characterised in that
to the melt is added 0.02 to 0.15 w.% vanadium and less
than 60 ppm beryllium.
2. Process according to claim 1, characterised in that to
the melt is added 0.02 to 0.08 w.% vanadium, preferably
0.02 to 0.05 w.% vanadium.
3. Process according to claim 1 or 2, characterised in
that to the melt with a content of more than 3.5 w.%
magnesium is added 25 to 50 ppm beryllium, preferably
25 to 35 ppm beryllium.
4. Process according to claim 1 or 2, characterised in
that to the melt with a content of less than 3.5 w.%
magnesium is added less than 25 ppm beryllium.
5. Use of the process according to any of claims 1 to 4
for production of casting alloys with
2.5 to 7 w.% magnesium
max 2.5 w.% silicon
max 1.6 w.% manganese
max 0.2 w.% titanium
max 0.3 w.% iron
max 0.2 w.% cobalt
less than 60 ppm beryllium
0.02 to 0.15 w.% vanadium
and aluminium as the remainder and production-induced
contaminants individually max 0.05 w.% and total max
0.15 w.%.
6. Use of the process according to claim 5 to produce
diecasting alloys.